Name	Value
addendum	0.1000
c_e	1
c_f	1
c_h	1
c_ma	0.1428
c_mc	1
c_p	2.2129e+03
c_pf_1	0.0083
c_pf_2	0.0250
c_pm	1.1000
deddendum	0.1250
diameter_1	3
diameter_2	6
diameter_3	3
diameter_4	6
diameter_drive_shaft	1.2500
diameter_gear	6
diameter_intermediate_shaft	0.7500
diameter_motor_shaft	0.7500
diameter_pinion	3
F	1
face_width	1
gear1	*1x1 struct*
gear2	*1x1 struct*
gear_ratio	0.2500
I	0.3636
J_1	0.3850
J_2	0.4250
J_3	0.3850
J_4	0.4250

Name	Value
k	0.8000
k_b	1
k_m_1	1.1520
k_m_2	1.1703
k_o	1.2500
k_r	1.2500
k_s	1
k_t	1
K_v_1	1.2356
K_v_2	1.2356
K_v_3	1.1178
K_v_4	1.1178
life_hours	43800
life_minutes	2628000
load_cycles	236520000
m	2
N_g_max	559.1670
N_g_theory	50
N_p_theory	25
phi	14.5000
pitch	10
ratio_per_step	0.5000
rpm_2	180
rpm_3	180
rpm_in	360
rpm_out	90
s_c_brass	40000
s_c_steel	100000
s_h	2.7371
s_t_brass	10000

Name	Value
s_t_steel	25000
safety_factor	1.5000
safety_factor_theoretical	2.4816
sigma_1	4.3562e+03
sigma_2	4.0090e+03
sigma_3	7.8816e+03
sigma_4	7.2535e+03
sigma_c_1	2.7439e+04
sigma_c_2	2.7439e+04
sigma_c_3	2.7439e+04
sigma_c_4	2.6305e+04
step	2
torque_2	282.7813
torque_3	282.7813
torque_in	141.3907
torque_out	565.5626
v_1	282.7433
v_2	282.7433
v_3	141.3717
v_4	141.3717
w_r_1	24.3774
w_r_2	24.3774
w_r_3	48.7548
w_r_4	48.7548
w_t_1	94.2604
w_t_2	94.2604
w_t_3	188.5209
w_t_4	188.5209
Y_1	0.3180
Y_2	0.3550

Name	Value
Y_3	0.3180
Y_4	0.3550
y_n	0.9000
z_n	0.9000